

Annotation

Diploma project is entertainment complex for JIT - 4 types of escalators at the automated electric drive. Leading to the static loads acting on the motor shaft in accordance with the requirements identified needs 4AK200M8W3 chosen type of phase with rotor induction motor. And natural electro-mechanical characteristics of the induction motor determined. To increase the speed gradually determined by the value of interference from the rotor connected to the roll, shipping, resistors, selected boxes. Angular velocity, momentum, rotor got a shock change depending on the time charts. The resulting graph analysis conducted by a three-stage engine changes until a uniform angular velocity. Electricity consumption during the day, and the average daily efficiency of the power ratio.

Matlab 6.5 software escalator in the virtual model of the engine invented, developed and transition processes studied.

Life safety and entertainment complex in the analysis of the escalators in the use of safety measures, the calculation of the automatic fire extinguishing system and discussed the accounting system of artificial lighting in the room.

And the economic section of the wage costs, power consumption and cost efficiency was calculated.